Company. SHIPPING Steamship

TIME TABLE

FROM SAN FRANCISCO.	VOR SAN FRANCISCO.			
BONOMA FEBRUARY 51 *ALAMEDA MARCH 2 VENTURA MARCH 14 *ALAMEDA MARCH 23 BIERRA APRIL 4				
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BESTSTEEN STREET, STRE	AND REPORTED TO A CONTRACT OF THE PROPERTY OF			
* Local cont.				

In connection with the salling of the above steamers, the Agents are prepared to issue to intending passengers coupen through tickets by any railroad from San F ncl. co to all points in the United States, and from New Fork by steamship line to all Europea n Ports For further particulars apply to

General Agents Oceanic S. S. Company,

STEAMSHIP COMPANY

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DUT AT HONOLULU ON OR ABOUT THE DATES BELOW STATED, VIZ.

FOR AUSTRALIA.	FOR VANCOUVER.			
AORANGI MARCH 10 MIOWERA APRIL 7	MIOWERAMAR. 7			
***************************************	MAHENO MAY			

CALLING AT SUVA, FIJI, ON BOTH UP AND DOWN VOYAGES.

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AMERICAN HAWAIIAN STEAMSHIP COMPANY.

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		FROM NE	W	YORK	TO	HONOLULU.	
S.	S.	MASSACHUSET	TS			To sail	March 10
S.	8.	CALIFORNIAN	. 101011			To sa	il April :

FROM SAN FRANCISCO TO HONOLULU. S. S. NEBRASKAN......To sail March 1st S. S. NEVADAN...... To sail March 22nd

FROM HONOLULU TO SAN FRANCISCO. S. S. NEVADAN. To sail April 1st

FROM SEATTLE AND TACOMA TO HONOLULU.

H. Hackfeld & C. P. MORSE, General Freight Agent,

Pacific Mail Steamship Co. Occidental & Oriental S. S. Co Toyo Kaisen Kaisha S. S. Co.

Steamers of the above Companies will call at Hone lu and leave the part on or about the dates below men tioned; FOR SAN FRANCISCO. FOR CHINA AND JAPAN. *CHINAFEB. 20 | NIPPON MARU......FEB. 2 NIPPON MARU......FEC. 27 HONGKONG MARU.....FEB. 23 DORIC......MAR. 6 KOREAMAR MANCHURIAMAR. 15 COPTICMAR. 13 HONGKONG MARU.....MAR. 22 SIBERIAMAR. 23 KOREAMAR. 29 AMERICA MARU......MAR. 31 *COPTIC......APR. 7 Effective encourages reconstruction ***************************** TOTAL PLANTS AND ADDRESS OF THE PARTY OF THE

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pages 4, 5 or 8.)

TIDES, SUN AND MOON. First Quarter of the Moon March 2d

5.28 1.3 6.12 11.52

27 7.00 1/2 5.54 12.18 0.04 6.22 6.04 10.08 28 7.55 1.2 6.20 12.55 0.59 6.21 6.04 10.56 1 8.00 1.0 6.52 1.01 2.08 6.21 6.04 11.47 2 10.18 1.0 7.26 2.18 4.11 6.20 6.05 3 11.18 1.4 8.40 3.17 6.23 6.19 6.05 0.35

... 10.50 4.28 7.85 6.18 6.06 1.25 Times of the tide are taken from the U. S. Coast and Geodetic Survey tables. The tides at Kahulul and Hilo

occur about one hour earlier than at Honolulu, Hawalian sta dard time is 10 hours 30 minutes slower than Greenwich time, being that of the meridian of 157 degrees 30 minutes. The time whistle blows at 1:30 p. m., which is the same as Greenwich, 9 hours, 0 minutes. The Sun and Moon are for local time for the whole group,

U. S. DEPARTMENT OF AGRICUL-TURE-WEATHER BUREAU.

The following data, covering a period 28 years, have been compiled from he Weather Bureau and McKibbin scords at Hosolulu, T. H. They are saued to show the conditions that have prevailed, during the month in question, for the above period of years, but must not be construed as a forecast of the weather conditions for the comins

Month, March, for 29 years. Temperature. (1890-1905);

Mean or normal temperature, 71 The warmest month was that of 1897. ith an average of 73°.

The coldest month was that of 1963, with an average of 68%

The highest temperature was \$3° or March 18, 1893, and March 30, 1901, The lowest temperature was 53° on March 4, 1891.

Precipitation (rain : 1877-89 & 1965).
-Average forthe month, 2.59 inches, Average number of days with .01 of n inch or more, 11.

The greatest monthly precipitation as 13.29 inches in 1800.

The least monthly precipitation was All inches in 1878. The greatest amount of precipitation secorded in any 24 consecutive hours

was 5.62 inches on March 7, 1896. Relative Humidity. Average, 9 n. m., 70% 8 n. m., 65% average, 8 p. m., 76% (1890-1904); 8 p.

m., 68%, (1965). Clouds and Weather. (1890-1905).

Average number of clear days, 5: partly cloudy days, 15: cloudy days, 7 Wind. The prevailing winds have been from

the northeast. The average hourly velocity of the wind during March, 1905, was 8.5 miles,

The highest velocity of the wind dur-ing March, 1905, was 34 miles from the west on the 10th. Station: Honolulu, T. H.

Date of issue: February 27, 1906. Territorial Meteorologist; 8 Sclock av-

ALEX. McC. ASHLEY. Weather Bureau.

ARRIVING.

Wednesday, February 28. ual ports, at 6:05 a. m., with 500 bags nahua streams

Stmr. Maul, F. Bennett, from Kawaihae and Hamakua ports, at 5:30 a. m., with 5700 bags sugar, 77 head cattle, 86 ogs coffee.

Thursday, March I. ports, due in morning.

S. S. Korea, Section of the cut, due in morning, Friday, March 2, from Sa S. S. Alameda, Dowdell, from San Francisco, due in morning.

DEPARTING.

Tuesday, February 27. Am. schr. Robert Lewers, Underwood, for San Francisco, at 2 p.m. Wednesday, February 2s.

Stmr. Noeau, Pederson, for Mahukons, Honokus and Kukuihaele, at 5 Pamoho Ditch and take out the water

Thursday, March 1. S. S. Koren, Seabury, for San Francisco, probably sall in afternoon Stmr. Mikahala, Gregory, for Kauni ports, at 5 p. m.

PASSENGERS.

Arriving. Per stine Mikahala, February 28, rom Kauai ports: A. L. Rodrigues, H. Schmidt, C. B. Hall, Mrs. Camara, Mrs. G. R. Ewart, J. Flanigan, G. H. Harvey, A. F. Knudsen, Mr. Bush, Lady Herron, Miss Houghtniling, Miss Lewis, A. J. Spitzer and 62 deck.

Departing.

Per stmr. Likelike, February 27, for Molokai, Maul and Lunai ports: R. C. Searle, Jr., and wife, Mrs. Cashman and W. E. Ritter,

Per stmr. W. G. Hall, February 27, for Kaual ports: Miss Annie Fell, R. G. Henderson, Miss K. McLeod, H. P. Faye and P. McLane.

MAKAWELL

Arriving, February 27, Am. schr. Als len A, 36 days from Gray's Harbor.

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(Continued from page five)

the benefit of high prices during the early part of the season, but after that time there was unfortunately a gradual fall in prices during the year. The basis ranged from \$5.23c to 3.50c per pound, and the net price per ton from \$90.48 in January to \$53.25 in October. The average basis for the year was 4.3568c per pound, and the average net price per ton of sugar \$72.09.

Crop 1906. Grinding the crop of 1906 began on January 4, the first field ground being long rattoons. average yield for the month of January was 6.65 tons sugar per acre; sucrose in case, 13.13 per cent; tons of case per acre, 56.31; a better average than during the same month last year. The weather since December has been very dry and cold. Should the dry weather continue there will be a steady improvement in the quality of the cane. The being built across the Helemano guich haf-hopper affected the growth of the value in all sections of the Plantation, but, on the whole, since the cold weather of March and April, the weather has been warm and favorable.

The crop of 1996 is to be cut on 757 up to the 700 foot level. eres plant cane, 2349 acres long rations 125 acres short rations, a total of 2231

Estimated yield, 19,386 tons, Up to date, (February 13th), 3513 tons of sugar have been shipped.

Crop 1907. For the crop of 1907 there 9 o'clock averages from records of plant cane, 3140 long rations, 128 acres estimated short rations a total of 3982

total of 4064 acres. Almost the entire area of plant cane for this crop is on land never before cultivated, and, up to this time, has been irrigated entirely by water from Stmr, Mikahala , Gregory, from Ka- the Poamoho, Helemano and Kauko

> All the cane has grown rapidly and looks well.

Crop 1908. The area to be planted for crop of 1908 depends upon the amount of water that will be conserved Stmr. Claudine, Parker, from Maui 1800 acres of new land is being plowed by the Wahiawa dam. A field of about and prepared for planting. If our ossources are realized, the cop of 190s should be cut from about 5000 acres and produce 39,000 tong of sugar. With the supply that we expect from the Wahiawa dam, and from other sources that may be developed, the annual crops and upwards.

Water development. Very little has been done this year to develop new water supplies, except to complete the of the Helemano stream at an elevation of about 70 feet. From this point the water of the Helemano stream can be used on all the lower lands of Hele-Work on the Anabulu and Upper Helemano difehes was begun early in the and they should be completed as soon as possible The Wahiawa dam, finished in June

of last year has impounded about 190, 000,000 gallons of water from small freshets in the Walmea or Waoala stream.

Permanent improvements. During he year 1905, \$174,074.96 have been expended on Permanent Improvements There are 528 feet of tunnels Nos. 16 and 17, of the Wahlawa dam, yet to be excavated. About 3300 feet of the ditch, near the dam, has been lined with concrete, the ground there being of poor quality for holding water. Concrete arches have been bullt at the inlets and outlets of several of the tunnels, and cracks and seams in other

end of tunnel 16, above the intake of the present Kemeo ditch. The Wahiawa ditch extension has been dug across Kemoo, Kaheka, Helemano and partly across Opacula. syphon 54 inches in diameter and 1320 feet in length has been built across Poamoho gulch, and another syphon, of

tunnels have been plastered. The wa-

ter can now be delivered at the lower

the same diameter and length, is now The Wahlawa ditch and its exten sions, as far as Opacula, will be ready for use before it is time to begin plant ing this year, and the water from the reservoir can then be used on all the lands south of the Opacula gulch and

Wahiawa dam. The Wahiawa dam is now finished, including the placing of the rip up to the high water level, We have been storing water in the reservoir since January 23, and delivering it in quantities as needed on the planare now under cultivation 714 acres tation covering all cane lands below the 400 foot level on Kemoo, Kaheka, Helemano, the Valley, and Mokuleia. acres cultivated by W. A. Co., Ltd., 82 Since the completion of the dam to test its holding qualities when filled to a greater depth than 20 feet.

Insect Pests. During 1905, all the cane suffered from the leaf-hopper. The Experiment Station has with the more recently discovered parrasites and they have been colonized in all of our fields. Very few of the fields are affected at all at this time, and none of them seriously.

Gathering the borer beetles has been carried on through the year. 2,380,000 heetles have been destroyed.

New Land. In April, 1965, we came into possession of Helemano, belonging S. S. Korea, Seabury, from the Ori- timates of water supply from natural to the Holt Estate. By leasing these lands our fields are now continuous, and we have made a large addition to our area of cane land,

Expenses: The total operating expenses for the year were \$953,194.86, or \$118.950.77 more than during the year beginning with 1908, will be 30,000 tons 1904. This is owing partly to the 10 per cent raise in wages made in May, 1905, the greater area of cane under cultivation, (7233 acres on December 331, 1905, as against 6429 acres on December 31, 1904), and \$37,912.75 greater pumping expenses, owing to dry weather all through the year.

The crops under cultivation on December 331, 1905, have cost \$1,010,281.48. mano, Kaheka, the valley and Paslaa. \$139,823,433 more than the crop under cultivation one year ago. There are, however, 804 acres more under cultivayear and carried on until May, \$3,417.01 tion, more land clear and plowed, and have been expended on these ditches a greater start made on the next crop.

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